

# POINT

Program Offices Infusion of New Technology

# POINT Project

## Overview

- Background: WISDMS, Strategic Goals
- 800 Proposal: Objectives, Components, Design
- Directorate & Program Office Implementation
- Schedule
- Advantages

# POINT Project

## Background

- WISDMS = SLI project (3/02)
  - Procure system (HW, SW), contractor support (10/02)
  - Code 840 Scheduling & Resource Management system (6/03)
  - Code 800 Customer Feedback system (8/03)
  - Code 803 XPRS project: CM & application portal
  - Code 840 internal project document management
  - Code 800 POINT project:
    - streamline project status reporting & workflow;
    - & integrate program office scheduling.

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## Aligning With 580 Strategic Goals

- Identify & develop technology funding sources.
- Increase technology infusion.
- Increase CS hands-on work.
- Institutionalize better planning.
- Increase core competency in new technology.
- Establish customer forum for review and integration of support strategies.

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## Objectives

- Streamline core and project processes
- Automate and track workflow
- Standardize processes & reports with easy maintenance
- Enable 7x24 access
- Infuse new technology with potential for future growth
- Automate metric gathering & reporting
- Separate information from presentation

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## Overview of Components

	Weekly Reports	Top Ten's	MSR's	Scheduling
Suborbital and Special Orbital Projects Directorate (800)	*	*	*	Integrated Reports
Resources Management Office (801)	*	*	*	
Policy and Business Relations Office (802)	*	*	*	
Safety Office (803)	*	*	*	
International Space Station Research Program Office (804)	*	*	*	
Sounding Rockets Program Office (810)	*	*	*	Input / Reports
Balloon Programs Office (820)	Input / Reports	*	*	*
Aircraft Office (830)	*	*	*	*
Range and Mission Management Office (840)	Input / Reports	*	*	Input / Reports
University Class Office (850)	*	*	*	
Shuttle Small Payloads Office - SEM (870)	*	*	*	
Shuttle Small Payloads Office - GAS (870)	*	*	*	

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## Design Considerations

- Develop XML nomenclature for tagging information
- Work with vendor to implement needed enhancements:  
workflow, digital signatures, PowerPoint output from XML reports
- Create generic input templates & report formats for all Program Offices.
- Provide flexibility in reporting formats for quick changes.
- Integrate automatic graphics capability from form inputs.
- Explore XSLT, Xpath, Xforms, SVG, XHTML, XSL-FO, ...

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## Program Office Implementation

- Current samples
- Standardized report formats
- Standardized input formats
- Associated workflows
- POC Reviews
- Test/Modify/Retest/Demonstrate



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## Directorate Level Implementation

- Current samples
- Design composite form for assembling inputs
- Design form workflow for prioritizing inputs
- Design final report format
- Design associated workflow
- POC Reviews
- Test/Modify/Retest/Demonstrate

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## MILESTONES

- By 04/01/04: SW & HW upgrades installed
- By 05/01/04: Code 800 Weekly status reports
- 05/01/04 – 08/01/04: Phased vendor upgrades
- By 09/01/04: Code 800 “Top 10” status reports
- By 09/15/04: Code 800 Integrated Schedules
- By 10/01/04: Code 800 MSR's

# POINT Project

## Advantages

- Reusable by other organizations
- Can automatically generate multiple formats for same info
- Implements automatic distribution & notification of change/availability
- Automatically updates/reformats all affected reports & web sites
- Enhances synthesis and prioritization of multi-level info
- Provides quicker identification of & response to problems
- Increases understanding of customer's processes
- Attach documents & workflows to schedule events & form entries
- Enables standardization & integrated information sharing
- Single system for multiple functionality – reduces overhead, training